

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2016, Tennessee

Year	Coal	Natural Gas ^a	Petroleum						Hydro-electric Power ^{e,f}	Biomass		Geo-thermal ^f	Solar ^{f,i}	Retail Electricity Sales	Net Energy ^{f,j}	Electrical System Energy Losses ^k	Total ^{f,j}
			Distillate Fuel Oil	HGL ^b	Motor Gasoline ^c	Residual Fuel Oil	Other ^d	Total		Wood and Waste ^{f,g}	Losses and Co-products ^h						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh	Million kWh							
1960	2,307	76	2,096	275	627	180	5,124	8,301	0	--	--	--	NA	27,514	--	--	--
1965	2,862	97	2,601	522	484	264	7,868	11,739	0	--	--	--	NA	28,362	--	--	--
1970	2,452	123	3,172	363	235	593	8,659	13,023	0	--	--	--	NA	27,776	--	--	--
1975	2,134	112	4,712	455	117	523	8,548	14,355	0	--	--	--	NA	37,904	--	--	--
1980	2,774	123	4,252	960	36	1,445	7,748	14,441	0	--	--	--	NA	32,968	--	--	--
1985	4,145	97	3,615	693	642	441	8,111	13,504	0	--	--	--	NA	33,624	--	--	--
1990	3,846	110	3,399	761	583	269	9,770	14,782	0	--	--	--	(s)	35,313	--	--	--
1995	3,777	126	3,682	777	865	346	9,743	15,414	827	--	--	--	(s)	44,828	--	--	--
1996	3,670	127	3,733	810	890	181	9,780	15,393	888	--	--	--	(s)	45,781	--	--	--
1997	3,613	139	4,333	871	937	108	9,106	15,355	965	--	--	--	(s)	27,710	--	--	--
1998	3,441	145	3,978	400	630	156	11,657	16,821	799	--	--	--	(s)	30,461	--	--	--
1999	3,299	145	2,647	1,066	569	50	12,496	16,827	652	--	--	--	(s)	31,493	--	--	--
2000	3,349	130	2,443	1,384	561	66	11,716	16,169	520	--	--	--	(s)	32,289	--	--	--
2001	3,575	119	2,620	1,277	954	146	15,001	19,999	404	--	--	--	(s)	32,149	--	--	--
2002	3,340	118	2,217	1,947	902	133	13,820	19,018	656	--	--	--	(s)	31,845	--	--	--
2003	3,354	112	3,062	835	980	247	13,777	18,901	917	--	--	--	(s)	32,278	--	--	--
2004	3,233	99	3,538	1,168	1,217	287	14,702	20,911	759	--	--	--	(s)	32,885	--	--	--
2005	3,149	95	4,046	1,323	1,212	302	16,485	23,367	772	--	--	--	(s)	33,625	--	--	--
2006	3,018	94	3,433	1,520	1,369	177	17,573	24,072	581	--	--	--	0	34,081	--	--	--
2007	2,993	92	3,569	1,167	1,866	162	15,475	22,239	0	--	--	--	0	33,850	--	--	--
2008	2,939	92	2,888	554	1,497	156	15,053	20,147	0	--	--	--	0	32,804	--	--	--
2009	2,524	84	1,693	264	1,474	36	9,636	13,102	0	--	--	--	0	26,584	--	--	--
2010	2,658	95	2,096	376	818	6	R 9,603	R 12,898	0	--	--	--	0	28,930	--	--	--
2011	2,578	107	1,906	486	852	25	R 10,167	R 13,436	0	--	--	--	0	28,638	--	--	--
2012	2,453	106	2,008	751	855	16	R 9,589	R 13,218	623	--	--	--	0	28,476	--	--	--
2013	2,484	111	1,908	663	921	11	R 10,777	R 14,281	1,074	--	--	--	0	22,462	--	--	--
2014	2,310	117	2,132	553	611	36	R 10,787	R 14,120	0	--	--	--	0	24,182	--	--	--
2015	2,135	115	1,903	525	R 1,129	24	R 10,985	R 14,566	0	--	--	--	0	22,983	--	--	--
2016	1,913	123	2,163	437	1,150	21	11,349	15,120	0	--	--	--	1	23,546	--	--	--
Trillion Btu																	
1960	58.1	78.6	12.2	1.1	3.3	1.1	31.2	48.9	0.0	19.5	NA	NA	NA	93.9	299.0	232.2	531.2
1965	71.4	101.9	15.2	2.2	2.5	1.7	48.5	70.0	0.0	27.2	NA	NA	NA	96.8	367.3	231.0	598.3
1970	58.0	125.9	18.5	1.4	1.2	3.7	53.5	78.3	0.0	37.3	NA	NA	NA	94.8	394.3	229.3	623.5
1975	49.9	115.1	27.4	1.7	0.6	3.3	53.3	86.3	0.0	37.3	NA	NA	NA	129.3	418.0	310.2	728.2
1980	67.2	125.1	24.8	3.5	0.2	9.1	48.1	85.7	0.0	49.4	NA	NA	NA	112.5	439.8	270.2	710.1
1985	102.2	100.6	21.1	2.5	3.4	2.8	51.3	81.0	0.0	57.9	2.5	NA	NA	114.7	458.9	262.8	721.6
1990	96.8	113.6	19.8	2.7	3.1	1.7	62.1	89.4	0.0	33.3	2.2	0.0	(s)	120.5	455.8	268.7	724.4
1995	94.9	129.8	21.4	2.8	4.5	2.2	61.8	92.7	8.5	40.7	2.3	0.0	(s)	153.0	521.8	336.6	858.4
1996	91.8	130.6	21.7	2.9	4.6	1.1	61.8	92.2	9.2	35.3	1.0	0.0	(s)	156.2	516.2	349.9	866.2
1997	90.3	143.2	25.2	3.1	4.9	0.7	57.6	91.5	9.9	33.7	1.7	0.0	(s)	94.5	464.9	208.4	673.3
1998	86.1	149.0	23.1	1.4	3.3	1.0	73.6	102.4	8.1	34.9	2.0	0.0	(s)	103.9	486.5	235.0	721.5
1999	82.5	148.5	15.4	3.8	3.0	0.3	78.6	101.1	6.7	38.3	1.9	0.0	(s)	107.5	486.5	244.5	730.9
2000	87.4	134.6	14.2	4.9	2.9	0.4	74.1	96.6	5.3	40.6	2.3	0.0	(s)	110.2	476.9	248.8	725.7
2001	92.0	123.0	15.2	4.5	5.0	0.9	93.4	119.1	4.2	54.8	3.6	0.0	(s)	109.7	505.3	245.5	750.9
2002	87.0	122.1	12.9	6.9	4.7	0.8	85.9	111.2	6.7	54.8	3.6	0.0	(s)	108.7	494.0	236.2	730.2
2003	87.2	116.2	17.8	3.0	5.1	1.6	85.7	113.1	9.3	49.6	4.2	0.0	(s)	110.1	489.8	243.3	733.1
2004	84.0	102.0	20.6	4.2	6.3	1.8	89.8	122.7	7.6	62.9	3.8	0.0	(s)	112.2	495.3	251.2	746.4
2005	81.6	98.3	23.5	4.7	6.3	1.9	101.8	138.3	7.7	51.4	3.6	0.0	(s)	114.7	495.6	251.6	747.2
2006	78.2	97.3	19.9	5.4	7.1	1.1	107.1	140.6	5.8	45.0	3.6	0.0	0.0	116.3	486.7	260.4	747.1
2007	77.6	95.6	20.6	4.1	9.6	1.0	94.2	129.6	0.0	43.1	3.8	0.0	0.0	115.5	465.2	263.4	728.6
2008	76.6	95.4	16.7	1.9	7.7	1.0	91.3	118.6	0.0	51.4	4.6	0.0	0.0	111.9	458.5	255.0	713.5
2009	66.0	85.9	9.8	0.9	7.5	0.2	59.1	77.6	0.0	46.1	9.4	0.0	0.0	90.7	375.7	203.7	579.4
2010	69.5	96.9	12.1	1.4	4.2	(s)	R 59.1	R 76.9	0.0	R 53.1	10.3	0.0	0.0	98.7	R 405.3	226.3	R 631.6
2011	66.9	108.5	11.0	1.9	4.3	0.2	R 62.8	R 80.1	0.0	R 50.4	12.3	0.0	0.0	97.7	R 416.0	220.2	R 636.2
2012	63.9	107.1	11.6	2.9	4.3	0.1	R 59.0	R 77.9	5.9	R 55.3	11.7	0.0	0.0	97.2	R 419.0	212.1	R 631.1
2013	64.6	113.1	11.0	2.5	4.7	0.1	R 65.6	R 83.8	10.3	R 54.9	12.2	0.0	0.0	97.6	R 415.5	167.2	R 582.6
2014	60.5	120.6	12.3	2.1	3.1	0.2	R 65.6	R 83.3	0.0	R 57.3	12.4	0.0	0.0	82.5	R 416.7	181.7	R 598.4
2015	55.9	R 119.2	11.0	2.0	5.7	0.2	R 66.7	R 85.5	0.0	R 57.3	12.0	0.0	0.0	78.4	R 408.4	170.2	R 578.6
2016	50.5	128.0	12.5	1.7	5.8	0.1	69.0	89.1	0.0	55.1	11.9	0.0	(s)	80.3	415.0	176.1	591.1

^a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.

^d Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

^e Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^h Losses and co-products from the production of fuel ethanol.

ⁱ Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

^j For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline

column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

^k Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. -- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.